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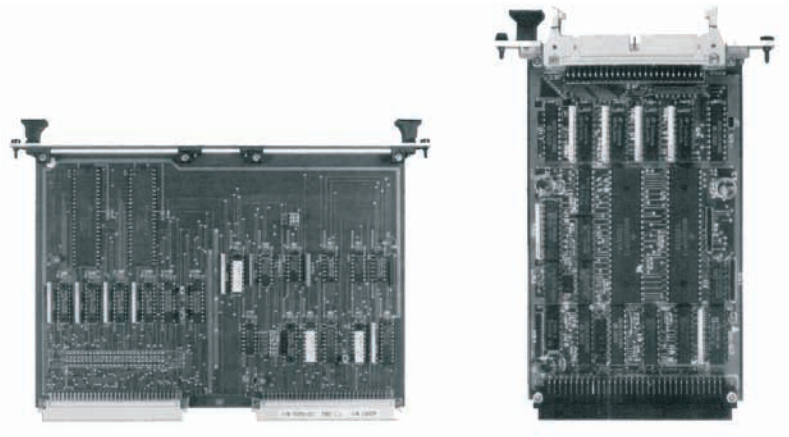
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XVME-200/290 Digital I/O Modules

FEATURES

- Low-cost digital I/O
- 68230 PI/T chips
- Buffered inputs and outputs
- Handshaking
- VMEbus interrupts
- Two 24-bit timers

APPLICATIONS

- Printers
- Thumbwheel switches
- OPTO 22 I/O
- Computer interface

The XVME-200 is a single-high VMEbus-compatible Digital I/O Module. The XVME-200 provides a VMEbus system with 32 channels of TTL-level I/O, as well as two 24-bit timer devices.

The XVME-200 contains two 68230 Parallel Interface/Timer (PI/T) devices with VMEbus interrupt capability. The direction of the I/O signals from the PI/T devices is software-selectable as four independent 8-bit ports. All inputs and outputs from the XVME-200 are buffered. The pinout of the front panel connectors are compatible with OPTO 22-style signal conditioning equipment.

For applications not allowing I/O to be routed out the front panel, the XVME-290 offers a 6U form factor with the same functionality as the XVME-200, but the I/O is routed through the VMEbus P2 connector on the back of the board.

XYCOM VME

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PRODUCT SPECIFICATIONS AND RATINGS

Environmental

	Operating	Nonoperating
Thermal	0° to 65° C (32° to 149° F)	-40° to 85° C (-40° to 185° F)
Humidity	20% to 95% RH, noncondensing	20% to 95% RH, noncondensing
Shock[a]	30g peak acceleration, 11 msec duration	50g peak acceleration, 11 msec duration
Vibration 5-2000 Hz[a]	.015" (.38 mm) peak-to-peak displacement, 2.5g maximum acceleration	.030" (.76 mm) peak-to-peak displacement, 5.0g maximum acceleration
Altitude	Sea level to 10,000 ft.(3048 m)	Sea level to 40,000 ft.(12192 m)

Electrical

Power Supply	+5 V DC @ 1.3A typical, 1.5 A maximum
Channels	32
Parallel Device	68230 (two)
Input Characteristics	• Vil = 0.8 V max. • Iil = -750 µA max. • Vih = 2.0 V min. • Iih = -325 µA max.
Output Characteristics	• Vol = 0.4 V max., Ioh = 12 mA • Vol = 0.5 V max., Ioh = 24 mA • Voh = 2.4 V min., Ioh = -3 mA • Voh = 2.0 V min., Ioh = -15 mA
Timer Characteristics	• Quantity: 2 • Resolution: 24 bits

VME Compliance

- Complies with VMEbus Specification IEEE 1014
- A16:D08(0) DTB Slave
- Interrupter - I(1)-I(7)(STAT), RORA
- Interrupter Vector D08(O)(DYN)

Form Factor:

- XVME-200: SINGLE 6.5" × 3.94" (165.1 mm × 100.01 mm)
- XVME-290: DOUBLE 9.2" × 6.3" (233.35 mm × 160 mm)

ORDERING INFORMATION

Order Number	Description
XVME-200	32-Channel DIO with interrupts
XVME-290	6U version of the XVME-200 with I/O routed to the VMEbus P2 connector
includes	6U front panel kit for the XVME-200

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